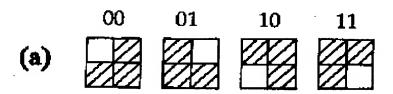
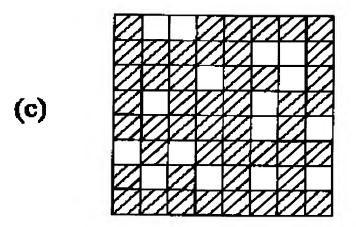


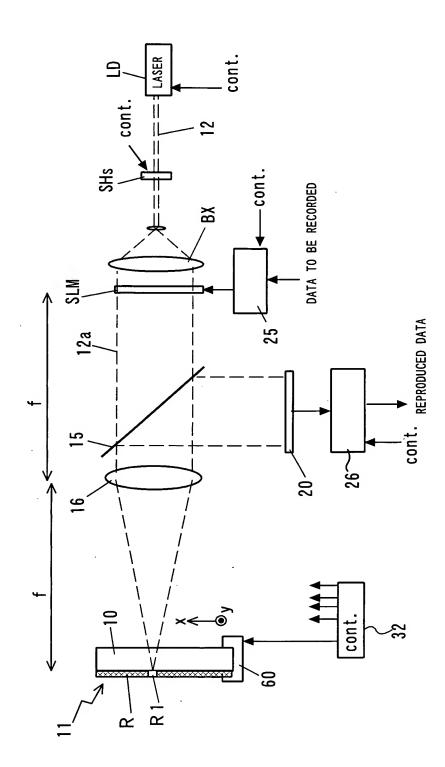
100

FIG. 2



(b) 01001110110111001010010101010101





F. 6.

FIG. 4

	TWO-DIMENSIONAL MO (6:9 MODULATION		***************************************
INFORMATION DATA 6 BITS	·		MODULATED DATA OF 9 BITS (9 PIXELS)
000000	-	110001000	
000001	-	110000100	
000010	-	110000010	
000011	-	110000001	
100100	-	010001010	
100101	-	010001001	
100110	-	010000110	
100111	-	010000101	

FIG. 5

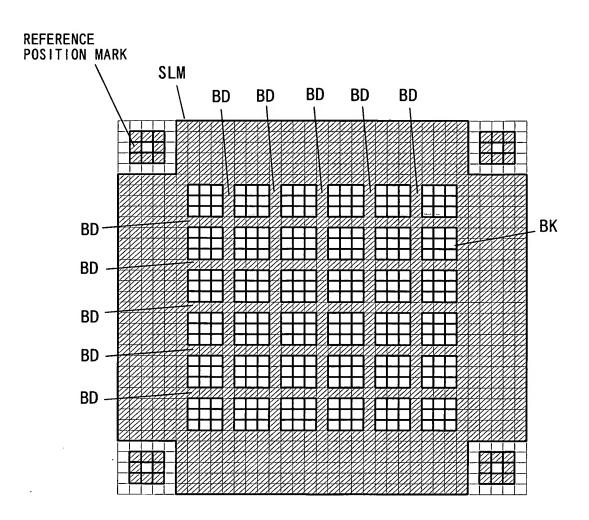


FIG. 6

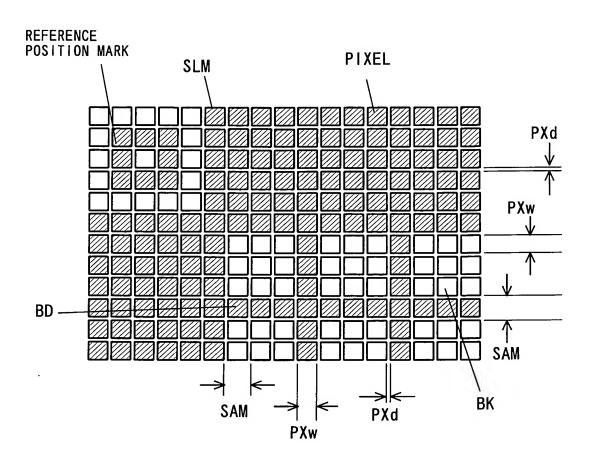
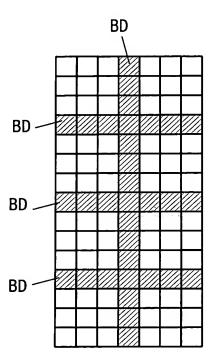


FIG. 7



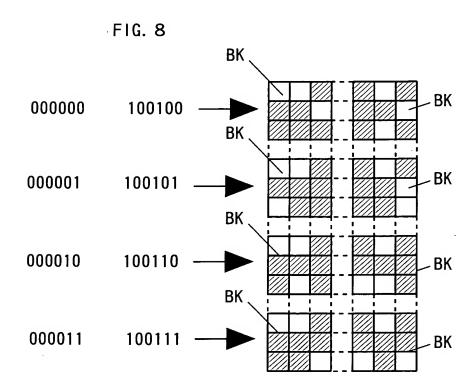


FIG. 9

TWO-D!MENSIONAL MODULATION (6:9MODULATION)

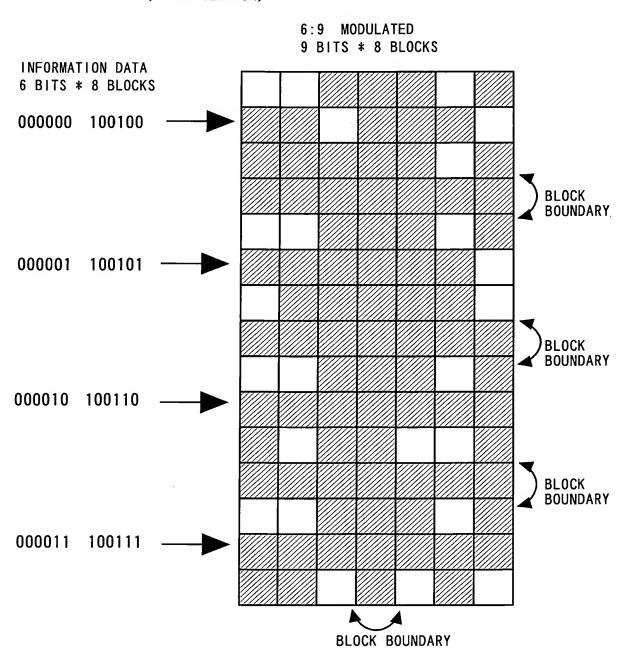


FIG. 1 0

TWO-DIMENSIONAL MODULATION (6:9MODULATION)

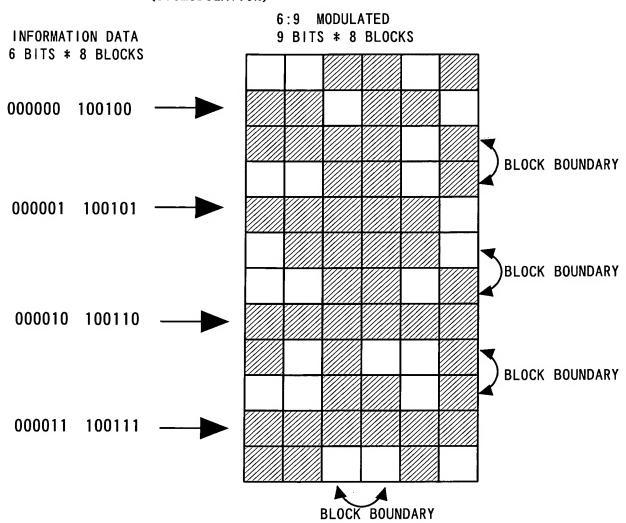


FIG. 1 1

• : SAMPLE (2)

• : SAMPLE(3)

▲ : SAMPLE(1)

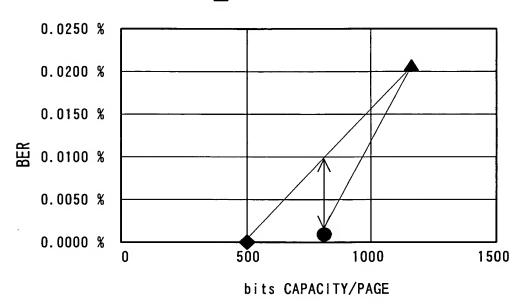


FIG. 1 2

OVERSAMPLING

1 BLOCK IN SPATIAL LIGHT	MODULATOR	1 BLOCK IN IMAGE DETECTING SENSOR
SAMPLE(1)		
SAMPLE(2)		
SAMPLE(3)		

FIG. 1 3

LATTICE CONNECTION BASED ON ADDITION OF DARK PIXELS ARRANGED IN J -SHAPE

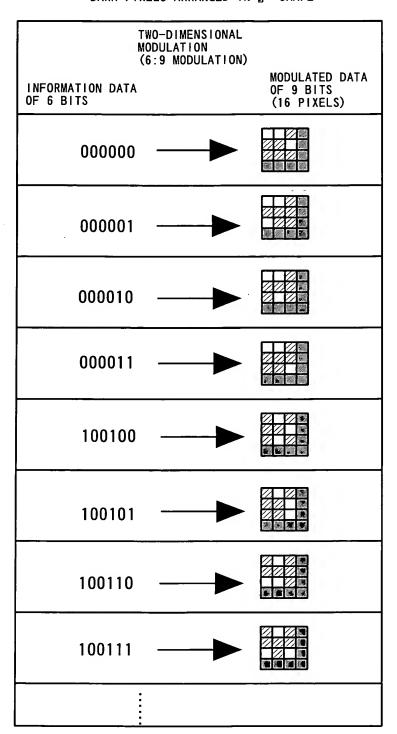


FIG. 1 4

LATTICE CONNECTION BASED ON ADDITION OF DARK PIXELS ARRANGED IN \$\(\text{\$\text{\$\text{\$\cup\$}}\$-SHAPE} \)

TWO-DIMENSIONAL MODULATION (6:9 MODULATION)					
INFORMATION DATA OF 6 BITS		MODULATED DATA OF 9 BITS (16 PIXELS)			
000000	-				
000001	-				
000010	-				
000011	-				
100100	-				
100101	-				
100110					
100111	-				

FIG. 15

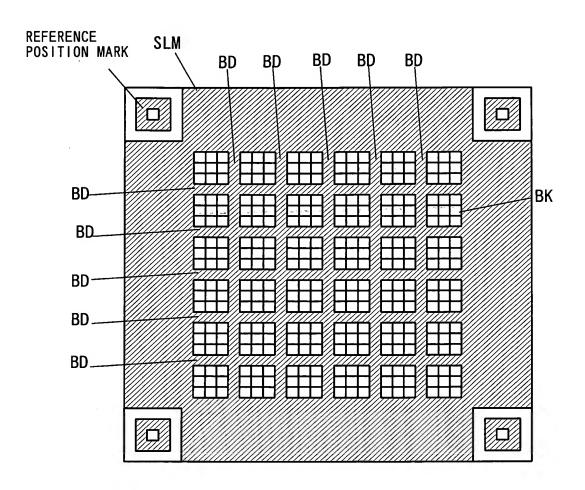


FIG. 1 6

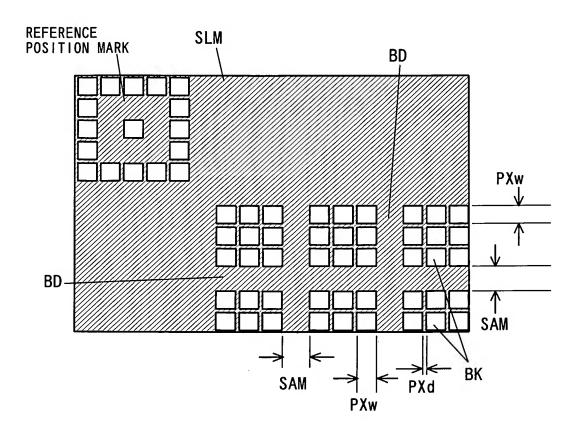


FIG. 17

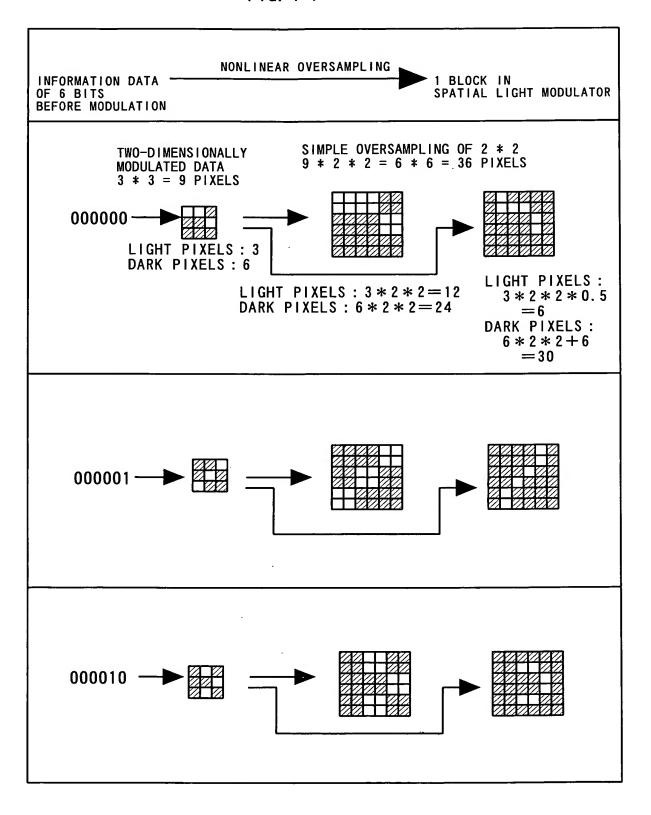
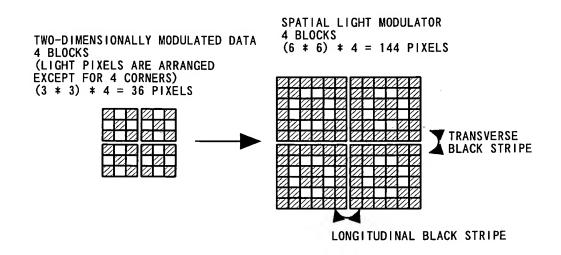


FIG. 18

NONLINEAR OVERSAMPLING



4 BLOCKS

FIG. 19

NONLINEAR OVERSAMPLING

TWO-DIMENSIONALLY MODULATED DATA
4 BLOCKS
(LIGHT PIXELS ARE ARRANGED
IN 4 CORNERS)
(3 * 3) * 4 = 36 PIXELS

TRANSVERSE BLACK STRIPE
IS IMPERFECTLY FORMED

TRANSVERSE BLACK STRIPE
IS IMPERFECTLY FORMED

LONGITUDINAL BLACK STRIPE
IS IMPERFECTLY FORMED

SPATIAL LIGHT MODULATOR

FIG. 20

NONLINEAR OVERSAMPLING

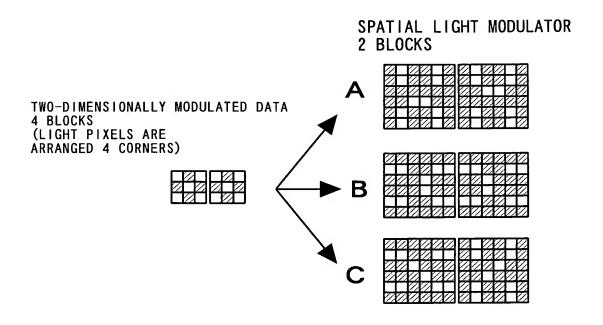


FIG. 2 1

